

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-29 (Canceled).

Claim 30 (New): A short-range wireless mobile communication system with a first terminal and a mobile terminal that are each configured to transmit and receive an information carrying signal wave, at least the first terminal or the mobile terminal comprises a directional signal wave converter configured to transmit and/or receive the information carrying signal wave with a directional characteristic, and control means for controlling the directional characteristic according to a position of the mobile terminal relative to the first terminal, wherein

the position is determined based on a Received Signal Strength Indicator value RSSI, the control means is configured to control the Half Power Beam Width of the directional characteristic in response to the actual distance between the first terminal and the mobile terminal,

the control means increases the Half Power Beam Width of the directional characteristic from a first value to a second value upon the distance falling short of a predefined distance value, and

when falling short of said predefined distance value, the control means is configured to not control the directional characteristic according to the position of the first terminal to the mobile terminal.

Claim 31 (New): The short-range wireless mobile communication system according to claim 30, wherein

the Half Power Beam Width of a second value conforms to the range of directions allowed between the first terminal and the mobile terminal.

Claim 32 (New): The short-range wireless mobile communication system according to claim 31, wherein

the directional characteristic with a Half Power Beam Width of a second value is of an omnidirectional characteristic.

Claim 33 (New): The short-range wireless mobile communication system according to claim 30, further comprising:

distance determination means for determining the distance between the first terminal and the mobile terminal.

Claim 34 (New): The short-range wireless mobile communication system according to claim 33, wherein

the distance determination means comprises an ultrasonic distance measurement system.

Claim 35 (New): The short-range wireless mobile communication system according to claim 33, wherein

the distance determination means comprises an optical distance measurement system.

Claim 36 (New): The short-range wireless mobile communication system according to claim 33, wherein

the distance determination means determines the distance between the first terminal and the mobile terminal based on a Received Signal Strength Indicator (RSSI) value,

Claim 37 (New): The short-range wireless mobile communication system according to claim 33, wherein

the distance determination means is located on the first terminal.

Claim 38 (New): The short-range wireless mobile communication system according to claim 30, further comprising:

control means with a movement monitoring means for monitoring a movement of the mobile terminal relative to the first terminal and direction adjustment means for adjusting the directional characteristic of the controllable directional signal wave converter according to the movement of the mobile terminal relative to the first terminal as monitored by the movement monitoring means.

Claim 39 (New): The short-range wireless mobile communication system according to claim 38, wherein

the movement monitoring means is located on the mobile terminal and/or on the first terminal.

Claim 40 (New): The short-range wireless mobile communication system according to claim 38, wherein

the movement monitoring means comprises sensor means for providing one or more electrical signals corresponding to one or more physical quantities related to the movement of the mobile terminal relative to the first terminal.

Claim 41 (New): The short-range wireless mobile communication system according to claim 40, wherein

the sensor means comprises an acceleration sensor configured to provide an electrical signal indicating an acceleration value associated with the movement of the terminal housing of the sensor means.

Claim 42 (New): The short-range wireless mobile communication system according to claim 40, wherein

the sensor means comprises a gyroscope sensor configured to provide an electrical signal indicating an orientation value associated with the movement of the terminal housing of the sensor means.

Claim 43 (New): The short-range wireless mobile communication system according to claim 38, wherein

the movement monitoring means provides tracking data to a direction calculation means, the tracking data being based on a movement monitored for a terminal which houses the respective sensor means.

Claim 44 (New): The short-range wireless mobile communication system according to claim 43, wherein

the direction calculation means estimates the position of the mobile terminal relative to the first terminal for the time of the next following exchange of information carrying signals.

Claim 45 (New): The short-range wireless mobile communication system according to claim 43, wherein

the direction calculation means provides a control signal to the direction adjustment means which is based on the tracking data and adapted to adjust the controllable directional signal wave converter such that a reliable signal transmission is achieved.

Claim 46 (New): The short-range wireless mobile communication system according to claim 30, wherein

the mobile terminal comprises an omnidirectional signal wave converter and the first terminal comprises a controllable directional signal wave converter.

Claim 47 (New): The short-range wireless mobile communication system according to claim 30, wherein

the first terminal comprises an omnidirectional signal wave converter and the mobile terminal comprises a controllable directional signal wave converter.

Claim 48 (New): The short-range wireless mobile communication system according to claim 30, wherein

the directional signal wave converter is formed by a mechanical steerable directional signal wave converter.

Claim 49 (New): The short-range wireless mobile communication system according to claim 30, wherein

the directional signal wave converter is formed by an adaptive signal wave converter array.

Claim 50 (New): The short-range wireless mobile communication system according to claim 38, wherein

the signal wave converter on the first terminal and the signal wave converter on the mobile terminal are each configured to transmit and receive information in form of a radio wave and/or light wave.

Claim 51 (New): The short-range wireless mobile communication system according to claim 50, wherein

an antenna forms a signal wave converter.

Claim 52 (New): The short-range wireless mobile communication system according to claim 50, wherein

the signal wave converter comprises an electro-optical device.

Claim 53 (New): The short-range wireless mobile communication system according to claim 30, wherein

the first terminal is a stationary terminal.

Claim 54 (New): A terminal for a short-range wireless mobile communication system, comprising:

a directional signal wave converter configured to transmit and/or receive an information carrying signal wave with a directional characteristic; and

control means for controlling the directional characteristic according to a position of the terminal relative to a further terminal of the short-range wireless mobile communication system, wherein

the position is determined based on a Received Signal Strength Indicator value RSSI, the control means is configured to control the Half Power Beam Width of the directional characteristic in response to the actual distance between the terminal and the further terminal,

the control means increases the Half Power Beam Width of the directional characteristic from a first value to a second value upon the distance falling short of a predefined distance value, and

when falling short of said predefined distance value, the control means is configured to not control the directional characteristic according to the position of the terminal to the further terminal.

Claim 55 (New): A wireless communication device for communicating information with a terminal in a short-range multipath wireless communication system, the wireless communication device comprising:

a directional signal wave converter configured to transmit and/or receive an information carrying signal wave with a directional characteristic; and

control means for controlling the directional characteristic according to a position of the device with respect to the terminal, wherein

the position is determined based on a Received Signal Strength indicator value RSSI, the control means configured to control the Half Power Beam Width of the directional characteristic in response to the actual distance between the device and the terminal,

the control means increases the Half Power Beam Width of the directional characteristic from a first value to a second value upon the distance falling short of a predefined distance value, and

when falling short of said predefined distance value, the control means is configured to not control the directional characteristic according to the position of the device with respect to the terminal.